



# NITFS Compliance Registration



Product: **Controlled Image Base (CIB) Production System Revision 3.1.3.0**

Sponsor: **Orbital Imaging Corporation**

Developer: **Orbital Imaging Corporation**

Date: **26 April 2004**

Expiration: **25 April 2006**

Registration #: **340**

- ☐ Initial Registration  
☒ Supplemental/Update #3  
☐ Derived from Reg. #

☐ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

## NITFS Features Implemented:

### Format

- ☐ NITF  
☐ v2.1  
☒ v2.0  
☐ v1.1  
☐ NSIF  
☐ v1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ B-Mapped \*\*  
☐ CCM, 2301  
☐ CCM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☐ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Bi-Level  
☒ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☒ Registered Extensions \*\*

### Tagged Record Extensions

- Registered TRE  
RPFHDR  
RPFIMG  
RPFDES

☒ Fully implemented  
☐ Partially implemented  
☐ Not implemented

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

-SGI MIPSPro C Compiler; Perl Version 5, IRIX 6.5

-Hybrid: SGI MIPSPro C Compiler; Perl Version 5,  
IRIX 6.5 and Windows NT 4.0 sp4

-SGI MIPSPro C Compiler; Perl Version 5;  
Linux gcc version 3.3.2, IRIX 6.5 and  
Red Hat Linux 7.2

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
the product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program